

docket no. P1042C1
Page 2

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.
Please add new claims 24 and 25 as follows.

Listing of Claims:

1-20. (cancelled)

21. (previously presented) A variant of human DNase I comprising one or more of the following amino acid residue substitutions: Q9R, E13K, T14K, T14R, H44K, H44R, N74K, N74R, S75K, T205K and T205R.

22. (previously presented) A variant of human DNase I comprising one or more of the following substitutions: Q9R, E13K, E13R, T14K, T14R, H44K, H44R, N74K, N74R, S75K, T205K, T205R, E13R N74K, Q9R:E13R:N74K, E13R:N74K:T205K, Q9R:E13R:N74K:T205K.

23. (previously presented) A variant of human DNase I having an amino acid sequence selected from the group consisting of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16 and SEQ ID NO:17.

24. (new) The variant of human DNase I according to claim 21 having at least 90% sequence identity with native human DNase I.

25. (new) The variant of human DNase I according to claim 21 having at least 95% sequence identity with native human DNase I.

26. (new) The variant of human DNase I according to claim 22 having at least 90% sequence identity with native human DNase I.

27. (new) The variant of human DNase I according to claim 22 having at least 95% sequence identity with native human DNase I.